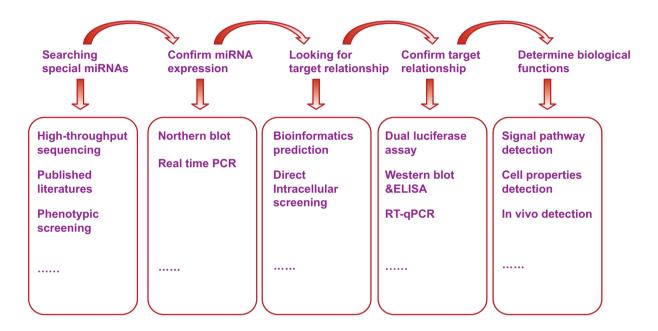


Introduction of miRNA Technology

microRNA (miRNA) is a kind of small RNA composed of 18-25 nucleotides, which does not encode proteins but plays an important role in regulating gene expression. The sequences of miRNA are highly species conservative. Their expression has unique temporal and spatial specificity. It has been proved that miRNA plays a huge role in regulating physiological processes such as embryo development, tissue differentiation, cell metabolism, signal pathway, disease occurrence and development. miRNA is one of the hot fields in biological research today.

The research of miRNA is divided into non-functional study on miRNA biosynthesis, maturation process and origin and evolution, and functional study on which biological regulation pathways miRNA participates in and what are the effects of miRNA. In general, the functional research of miRNA mainly adopts the following technical route:



miRNA Product Selection Guide

TIANGEN's provides a complete set of products for miRNA extraction, reverse transcription and fluorescence quantitative detection, and combining with an optimal miRNA forward detection primer library, a mature and high efficient fluorescence quantitative PCR detection can be carried out directly, thus realizing rapid and accurate quantification of reverse transcription products.

